

PATENT ABSTRACTS OF JAPAN

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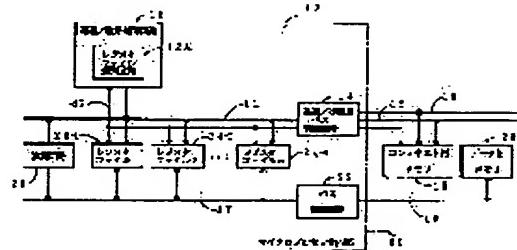
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(54) MULTITASK PROCESSOR AND MULTITASK PROCESSING CONTROL METHOD

(57)Abstract:

PROBLEM TO BE SOLVED: To prevent the total performance of a microprocessor from decreasing even when the number of tasks to be processed is less than the number of register groups of the microprocessor.

SOLUTION: When it is necessary to save and reload a context, a saving/ reloading control means 12 saves a context stored in one of register groups 24-1 to 24-M in a context storage means 18 through saving/reloading buses 11, 15, and 16 provided independently of a bus 17 and reloads a context to be processed which is stored in the context storage means 18 to the register group, so ordinary task processing can be performed simultaneously with the saving and loading of the contexts to reduce the overhead of the saving/ reloading processing, thereby improving the total performance of the multitask processor.



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